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ANNUAL REVIEW OF PHYSIOLOGY

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VOLUME 31

1969

ANNUAL REVIEWS, INC.
4139 EL CAMINO WAY
PALO ALTO, CALIFORNIA, U.S.A.

Medical
W10.5
A615
R47
v.51

ANNUAL REVIEW, INC.
PALO ALTO, CALIFORNIA, U.S.A.

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Standard Book Number 8243-0331-8
Library of Congress Catalogue Card Number 39–15404

FOREIGN AGENCY

Maruzen Company, Limited
6 Tori-Nichome, Nihonbashi
Tokyo

PRINTED AND BOUND IN THE UNITED STATES OF AMERICA
BY GEORGE BANTA COMPANY, INC.

PREFACE

This volume of the *Annual Review of Physiology* makes its appearance in the world of scientific literature at a time pregnant with change. The inexorable growth of the literature, it is now generally accepted, can be coped with only with the assistance of automated mechanisms. Thus the handling of the primary documents of science, the original papers, is coming under better control through governmental and private automated systems, large and small.

What can we anticipate relative to the second great function of the literature, the summarization and evaluation of the newer findings and their relating to the existing structure of scientific knowledge? Can computers help here?

The present structure of this part of the literature of physiology comprises a very large number of reviewing journals (such as *Physiological Reviews*, *Ergebnisse der Physiologie*), monographs, handbooks (notably those being published by the American Physiological Society), and advanced textbooks. While the general quality of these works is high, they suffer from two principal defects. First, they are out-of-date by the time they are published and undergo rapid obsolescence, and second the discussion of a given topic is so scattered among this complex (rarely accessible in one place) that its location and availability for consultation are very difficult. Where can one find an answer to the question: what is the best available review on, for example, cerebellar function?

It would appear that the most elementary mechanisms to help in this matter would be a computerized constantly updated and thoroughly indexed inventory of reviews, which could be queried by telephone or airmail. No computer could compile such a work, but it could make the work of qualified scientists universally and rapidly available.

While not as far-reaching as just proposed, a beginning is being made in this direction in that writers for the *Annual Review* are more and more frequently devoting the first paragraphs to a critical mention of recently published reviews in their fields. This is a tendency definitely to be encouraged.

Again it is time to thank the midwives of the Review, who bring into the world the gestated products of our authors: Joann Huddleston, our multipurpose all-competent Assistant Editor, and the Banta Press who materialize it all.

V. E. H.
A. C. G.
R. R. S.

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A WORD ABOUT REPRINTS

The reader may be puzzled by the conspicuous number (1017 to 1036) aligned in the margin with the title of each review in this volume; it is a key for use in the ordering of reprints. These are priced uniformly at $0.95 each, postpaid. Payment must accompany the order if the purchase totals less than $10.00. All payments are to be made to Annual Reviews, Inc. in U.S. dollars. California orders are subject to 5 per cent sales tax. Delivery in the U.S.A. will require approximately two to six weeks.

Reprints, also at $0.95 each, are available from the *Annual Review of Biochemistry* and the *Annual Review of Psychology* (since 1961 in both cases) and from the *Annual Review of Microbiology* starting with Volume 22 (1968).

The sale of reprints of articles published in the *Reviews* was initiated with Volume 30 in the belief that reprints in individual copies, in sets covering stated topics, and in quantity for classroom use will have a special appeal to students and to teachers.

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